

Claims

What is claimed is:

1. A method for providing xDSL/POTS line sharing for multiple subscribers, the method comprising the steps of:

- 5 (a) accessing a ²⁵⁰telephone line supporting POTS services destined to a first subscriber; and ²⁶⁰
- (b) multiplexing xDSL services with said POTS services over said telephone line for delivery to a second subscriber. ²⁷⁰

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2. The method described in claim 1 further comprising the step of:

- (c) splitting the xDSL services from the POTS services at a remote location; and
- 15 (d) forwarding the POTS services to the first subscriber. ²⁸⁰

3. The method described in claim 1 further comprising the step of:

- 20 (c) splitting the xDSL services from the POTS services at a remote location; and
- (d) forwarding the xDSL services to a second subscriber. ²⁹⁰

25 4. A system providing POTS/xDSL line sharing for multiple subscribers over a single telephone line, the system comprising:

- (a) a ³⁰⁰xDSL interface located at or near a central office for sending to and receiving xDSL signals from a first subscriber;
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- (b) a POTS interface located at or near the central
²³⁰ office for sending to and receiving POTS signals
from a second subscriber; and
- (c) a splitter/²¹⁵coupler for multiplexing both xDSL
and POTS signal over a single telephone line and
for splitting xDSL and POTS signals received
over said telephone line.

5. The system described in claim 4 further comprising:

- (d) a splitter located in remote location for
separating POTS signals from xDSL signals and
for forwarding said POTS signals to the second
subscriber.

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